Reducing Cholera in La Gonâve

Problem
• 703,510 cases of cholera have been reported
• Only 10% of the population on La Gonâve gets improved water

Goal
To determine and recommend the best solution that will eliminate or reduce cholera in the waterways of a community in La Gonâve, Haiti

Objectives
1. Identify cholera sources
2. Select the best solution for the community
3. Create steps for implementation

Recommended Implementation Plan

Connect with a non-profit organization

Train workers to build and maintain Biosand filter

Gather and ship materials

Develop a payment plan and distribution system with the community

Construct the filters on La Gonâve

Have workers annually check the functionality and usage of the filters

Methods
• Researched cholera
• Researched rural Haiti

• Interviewed Ashley Gilbert (Seven Hills Foundation)
• Focused research on La Gonâve

• Interviewed a nurse-practitioner and relief-aid worker
• Shifted solution research to Biosand Filter

• Interviewed co-founder of Roots of Development
• Adjusted implementation based on feedback from last interview

Solution
Work with a non-profit organization to implement bio-sand water filters

Effects of Cholera

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